

Title (en)

A METHOD FOR TRAINING A NEURAL NETWORK TO DELIVER THE VIEWPOINTS OF OBJECTS USING UNLABELED PAIRS OF IMAGES, AND THE CORRESPONDING SYSTEM

Title (de)

VERFAHREN ZUM TRAINIEREN EINES NEURONALEN NETZES ZUR BEREITSTELLUNG DER ANSICHTSPUNKTE VON OBJEKTEN UNTER VERWENDUNG UNMARKIERTER BILDERPAARE UND ZUGEHÖRIGES SYSTEM

Title (fr)

PROCÉDÉ DE FORMATION D'UN RÉSEAU NEURONAL POUR FOURNIR LES POINTS DE VUE D'OBJETS À L'AIDE DE PAIRES D'IMAGES SANS ÉTIQUETTE ET SYSTÈME CORRESPONDANT

Publication

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Application

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Priority

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Abstract (en)

[origin: EP3958167A1] A system and a method for training a neural network (NN) to deliver the viewpoint (v) of objects, the method comprising minimizing the distances between:- for each training image of a first set of training images, the output of the neural network with the viewpoint of this training image,- for each pair of a second set of training image pairs, the second image of each pair of the second set of training image pairs with the output of a decoder neural network when:# the first image of this pair is inputted to an encoder neural network,# the second image of this pair is inputted to the neural network to obtain a viewpoint,# the obtained encoded image is rotated according to the viewpoint,the rotated encoded image is decoded.

IPC 8 full level

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CPC (source: CN EP US)

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